



THE CITY OF CALGARY

HEALTH DISTRICT

1973 ANNUAL REPORT

LOCAL BOARD OF HEALTH FOR THE CITY OF CALGARY

His Worship Mayor R. Sykes (Chairman), Ex-officio

Dr. R. Truscott

Dr. M. H. MacDonald

Dr. N. Maguire

C. D. Howarth, City Engineer, Ex-officio

L. C. Allan, M.B., Ch.B., D.P.H., Medical Officer of Health –
from Jan. 1st to Aug. 15th, 1973, Ex-officio

A. E. O'Neil, M.D., D.P.H., Acting Medical Officer of Health –
from Aug. 15th to Dec. 31st, 1973, Ex-officio



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1. The first part of the report deals with the general situation of the country and the position of the various groups and classes in society. It also deals with the economic situation and the social conditions of the population.

2. The second part of the report deals with the political situation and the position of the various political parties and groups. It also deals with the role of the state and the position of the various social classes in society.

3. The third part of the report deals with the cultural situation and the position of the various cultural groups and classes in society.

4. The fourth part of the report deals with the economic situation and the position of the various economic groups and classes in society.

5. The fifth part of the report deals with the social situation and the position of the various social groups and classes in society.

6. The sixth part of the report deals with the political situation and the position of the various political groups and classes in society.

7. The seventh part of the report deals with the cultural situation and the position of the various cultural groups and classes in society.

8. The eighth part of the report deals with the economic situation and the position of the various economic groups and classes in society.

9. The ninth part of the report deals with the social situation and the position of the various social groups and classes in society.

WELCOME
LIFE
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C15
1973

S T A F F

MEDICAL OFFICER
CHILD HEALTH SERVICES
& MEDICAL DIRECTOR
FAMILY PLANNING CLINIC
(Beginning Aug. '73)

NUTRITIONIST

LABORATORY

OFFICE/CLERICAL

DENTAL

INSPECTIONAL

NURSING

I. Peintner, M.D.

C. Ellis
B.Sc. (H.Ec.), R.Dt.

G. Kurdydyk

V. Clarke

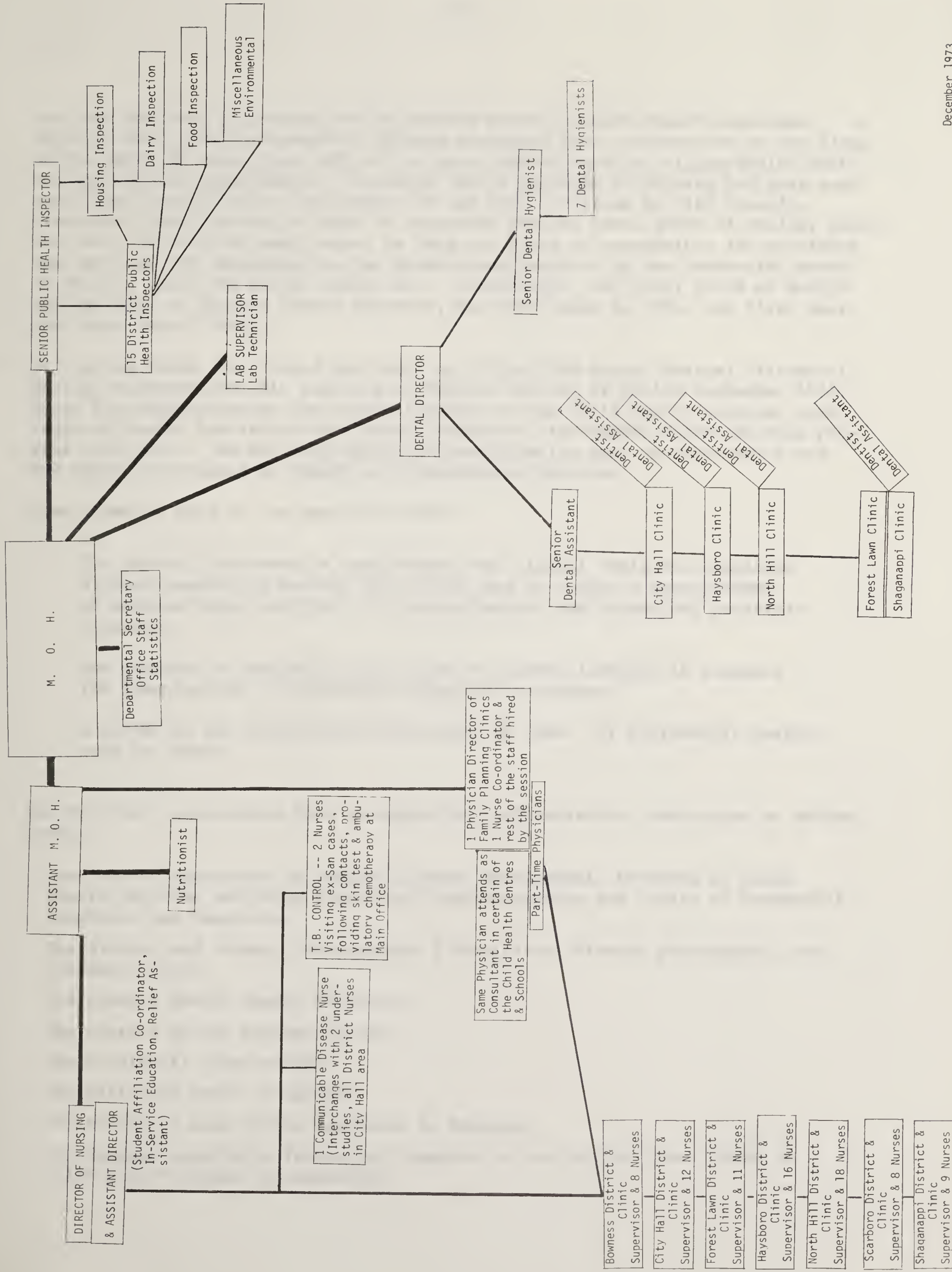
J. Willey
B.A., D.D.S.,
D.D.P.H.
Director
Dental Health Services

N. Bruce
C.S.I. (C)
Chief Public Health
Inspector

E. Jones
R.N., Dpl. P.H.N.
Director

F. Moore
B.Sc.N.,
Ass't. Director

S. Sheppard
Senior Dental Hygienist



The year 1973 was a landmark in the history of the Calgary Health Department. In April of 1973, the Government of Alberta announced that, retroactive to the first of the year, it would fund 100% of the Local Health Services of the Health Units and City Health Departments. The Local Health Services in Calgary had over many years been operating as a Department of the City, governed by City Council. Provincial requirements now made it necessary for the Local Board of Health, which had been inactive for many years, to take its place as responsible for providing the services and administering the Regulations required by the Provincial Board of Health, under The Public Health Act. Accordingly, the Local Board of Health for the City of Calgary Health District, met four times in 1973, the first meeting being August 31st.

Dr. Leslie Allan, who joined the staff in 1950 as the Deputy Medical Officer of Health, resigned from his position of Medical Officer of Health September 1974. Under his administration the regionalization of the Child Health Services with regional Health Centres and the generalization of the Public Health Nursing Program took place. He was instrumental in establishing many programs which are now taken for granted as Health or Environmental Services.

Some items of note in the year 1973 were:-

- . The Federal Government's requirement that illegal immigrants register without penalty by October 31st, 1973, led to rather a large number of persons being notified to us as suffering from intestinal parasitic diseases.
- . The outbreak of Cholera in Italy led to a great increase in requests for immunization of travellers against this disease.
- . A strike of the staff nurses took place in June. It fortunately lasted only two weeks.

We gratefully acknowledge kind co-operation, collaboration, assistance or advice from:-

The Alberta Department of Health & Social Development, Division of Local Health Services and other Divisions, Superintendents and Staffs of Provincial Hospitals and Sanatoria;

The Alberta and Calgary Tuberculosis & Respiratory Disease Association, the Kinsmen's Club;

The Alberta Mental Health Services;

The Alberta Social Hygiene Clinic;

The Provincial Laboratories;

The Victorian Order of Nurses;

The Staffs of each of the Hospitals in Calgary;

The Calgary Interfaith Television Committee & the various Press, Radio & Television Personnel & Companies;

The Volunteers from the Calgary Birth Control Association & the various individual Volunteers who have helped us greatly;

Finally, we wish to record appreciation of our newly active Board of Health, the many Services of the City of Calgary, and our own good Staff.

POPULATION GROWTH - CALGARY - 1968-1973

<u>Year</u>	<u>Births Residents Only</u>	<u>Deaths Residents Only</u>	<u>Natural Increase Births Minus Deaths</u>
1973	7,224	2,373	4,851
1972	7,183	2,278	4,905
1971	7,586	2,423	5,163
1970	8,149	2,212	5,937
1969	7,429	2,087	5,342
1968	7,184	2,068	5,116

OVER-ALL POPULATION INCREASE
VERSUS NATURAL INCREASE

<u>Year</u>	<u>Population Census</u>	<u>Over-All Increase</u>	<u>% Increase</u>	<u>Natural Increase Residents</u>	<u>+ Previous - Year</u>
1973	424,787	8,602	2.0	4,851	- 54
1972	412,777	12,010	2.9	4,905	-258
1971	398,034	14,743	3.7	5,163	-774
1970	385,436	12,598	3.3	5,937	+595
1969	369,025	16,411	4.4	5,342	+226
1968	354,856	14,169	4.0	5,116	-154

MARRIAGES AND MARRIAGE RATE - 1968-1973

<u>Year</u>	<u>No. Of Marriages</u>	<u>Rate Per 1,000 Population</u>
1973	4,460	10.5
1972	4,270	10.3
1971	4,178	10.5
1970	3,995	10.4
1969	4,000	10.8
1968	3,435	9.7

RECENT TRENDS IN FERTILITY - CALGARY - 1970-1973

	<u>1970</u>	<u>1971</u>	<u>1972</u>	<u>1973</u>	<u>Drop In Annual Births 1970 to 1973</u>
All Births To City Residents	8,149	7,586	7,183	7,224	11%
All Births To Out-Of-Town Residents	987	822	784	764	23%
All Births In Calgary	9,136	8,408	7,968	7,988	12%
Illegitimate Births To Residents	958	747	696	625	35%
Illegitimate Births To Non-Residents	350	226	209	140	60%
Illegitimate Births In Calgary	1,308	973	905	765	43%
(Abortions In Calgary Hospitals	400	1,301	1,708	1,908)	

BIRTHS TO CALGARY RESIDENTS 1969 AND 1973

		<u>In Year 1969</u>	<u>In Year 1973</u>
Percentage Of Total Births That Were:-			
Of Birth Order			
	1	40.1	43.4
	3	16.0	10.8
	4	8.1	4.7
	> 4	6.6	3.0
Born To Mothers			
	Aged Under 20	12.0	11.8
	Aged Over 40	1.5	0.6
Mean Parity Of Mothers Giving Birth		2.15	1.89
Median Age		25	25

There has been a reduction in all the indices which would contribute to a fertility level greater than replacement level and this reduction has been gradual over the five years.

Statistically:-

Optimum Births:- Births With (a) few medical complications for both mother and child
(b) few social and economic handicaps

Non-Optimum Births:- (a) of higher parities:- these are steadily dropping
(b) to mothers aged over 40:- these are dropping
(c) to mothers aged under 20:- these are not dropping in greater proportion than are total births
(d) illegitimate births:- these are dropping in much greater proportion than total births

Abortions:- Continue to rise

The Calgary Family Planning Clinic is only one feature in a complex of inter-related factors influencing the fertility picture in Canada and Calgary. Some of these factors are the changes in the laws relating to birth control and abortion, changes in attitudes and customs, interest by the communications media and the public, co-operation from physicians and hospitals in contraception, sterilization and abortion, acceptability and proliferation in our City of educational programs which include birth control information under a variety of auspices.

For the attendance and services rendered at the Calgary Family Planning Clinic, please see Page 52.

LIVE BIRTHS BY AGE OF MOTHER AND BIRTH ORDER (INCLUDING ILLEGITIMATE BIRTHS) - CALGARY RESIDENTS ONLY - 1973

AGE OF MOTHER	B I R T H O R D E R										TOTALS	INFANTS BORN WITH DEFORMITIES APPARENT AT BIRTH	SETS OF TWINS	SETS OF TRIPLETS
	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	12th	14th		
Under 15 Years	6													
15 - 19 Years	690	145	10	1									5	
20 - 24 Years	1,303	977	222	35	2								*19	17
25 - 29 Years	923	1,062	442	130	45	7	2	1					*34	31
30 - 34 Years	179	326	246	119	34	15	5	1	1				14	10
35 - 39 Years	34	46	53	44	39	15	7	8	2	1	1		*2	8
40 Years & Over	5	10	7	9	5	4	3		1			1		
1973 TOTALS	3,140	2,566	980	338	125	41	17	10	4	1	1	1	73	71
1972 (FOR COMPARISON)	3,010	2,447	1,104	393	127	53	30	9	8	2			56	71
														1

There were 3 illegitimate babies born with deformities as indicated by asterisks. In addition to the 73 infants born with deformities apparent at birth, 17 other infants were found to have congenital deformities according to death certificates, raising the total of resident infants born with deformities in 1973 to 100.

LIVE BIRTHS BY AGE OF MOTHER AND BIRTH ORDER (INCLUDING ILLEGITIMATE BIRTHS) - NON-RESIDENTS ONLY - 1973

AGE OF MOTHER	B I R T H O R D E R										TOTALS	INFANTS BORN WITH DEFORMITIES APPARENT AT BIRTH	SETS OF TWINS
	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th			
Under 15 Years	3										3		
15 - 19 Years	107	17	2								126	1	
20 - 24 Years	115	94	25	4							238	5	4
25 - 29 Years	60	99	66	22	6	2	1				256	1	2
30 - 34 Years	19	28	24	14	7	4	5	1		1	103	*1	1
35 - 39 Years	3	3	3	5	8	2	3	2	2		31		
40 Years & Over		2		2	1		1	1			7		
1973 TOTALS	307	243	120	47	22	8	10	4	2	1	764	8	7
1972 (FOR COMPARISON)	337	233	106	52	26	11	4	3	3	4	784	5	5

*Asterisk indicates illegitimate baby born with deformity.

In addition to the 8 infants born with deformities apparent at birth, 8 other infants were found to have congenital deformities according to death certifications, raising the total to 16 non-resident infants born with deformities in 1973.

ILLEGITIMATE LIVE BIRTHS BY AGE OF MOTHER AND BIRTH ORDER - CALGARY - 1973

AGE OF MOTHERS	O R D E R O F B I R T H												Total Residents	Total Non-Residents	Total No. of Infants Born to Unwed Mothers	Residents	Non-Residents	No. of Mothers Previously Married
	1st		2nd		3rd		4th		5th		6th +							
	Residents	Non-Residents	Residents	Non-Residents	Residents	Non-Residents	Residents	Non-Residents	Residents	Non-Residents	Residents	Non-Residents						
13 Years	1												1		1			
14 Years	5	3											5	3	8			
15 Years	16	4											16	4	20			
*16 Years	53	7	4		1								58	7	65			
17 Years	60	25	5	3									65	28	93	1		
18 Years	64	18	6										70	18	88	1		
*19 Years	63	18	15	3	2	2							80	23	103	2		
*20-24 Years	122	19	61	8	12	2	6	2	1				202	31	233	27	2	
*25-29 Years	31	4	13	1	15	4	8	2	9	1	3		79	12	91	34	1	
30-34 Years	3	1	9		10	1	3	1		2	8	5	33	10	43	19	1	
35-39 Years	2		1				5		2	1	4	3	14	4	18	11		
40 Years +			1								1		2		2	2		
1973 TOTALS	420	99	60	15	40	9	22	5	12	4	16	8	625	140	765	97	4	
1972 (FOR COMPARISON)	491	145	86	27	62	16	28	8	13	4	16	9	696	209	905	130	7	

In each of the age groups indicated by asterisks, one set of twins was born to a resident mother.

Included in the total of 16 resident mothers having their 6th and over babies was:- 1 mother having her 7th; 3 mothers having their 8th; 2 mothers having their 9th and 1 mother having her 12th liveborn child. In the Non-Resident illegitimate group, 2 mothers had their 7th, 2 mothers their 8th, 1 mother her 9th and 1 mother her 10th child.

THE CHIEF CAUSES OF DEATH ARE:-

1.	Diseases of the heart and circulatory system (Code No. A 79 - A 86) accounted for 808 deaths. Vascular lesions affecting the central nervous system (Code No. A 70) accounted for 271 deaths	808 + 271	= 1,079
2.	Neoplasms of all forms (Code No. A 44 to A 60)		= 654
3.	Violent and accidental deaths (Code No. AE 138 to AE 149)		= 323
4.	Diseases of the respiratory system (Code No. A 87 to A 97) i.e. Influenza, Pneumonia, Bronchitis, Emphysema, Bronchiectasis, etc.		= 233
5.	Diseases of the digestive system (Code No. A 99 to A 107) i.e. Peptic Ulcers, Herniae, Appendicitis, Cirrhosis of Liver, Cholecystitis, Etc.		= 156
6.	Certain diseases of early infancy, including birth injuries, infections and prematurity (Code No. A 130 to A 135)		= 54
7.	Congenital malformations - deaths in all age groups (Code No. A 127 to A 129)		= 54
8.	Diabetes Mellitus (Code No. A 63)		= 41
9.	Diseases of the genito-urinary system (Code No. A 108 to A 114) i.e. Nephritis, Pyelitis, Renal Calculi, Prostatic Hypertrophy, etc.		= 37

DEATHS FROM INFECTIVE DISEASES:-

1.	Tuberculosis, Pulmonary, including deaths of Calgary residents in Sanatoria that were registered in Calgary (Code No. A 1)	= 2
2.	Tuberculosis, Non-Pulmonary (Code No. A5)	= 3
3.	Infectious Hepatitis (including two non-resident cases) Code No. A 34	= 4
4.	Septicaemia and Pyaemia (two non-resident cases) Code No. A 20	= 2
5.	Meningococcal Infection (Code No. A 23)	= 1
6.	Acute Viral Infection (Code No. A 43)	= 1
7.	Acute Infectious Encephalitis (Code No. A 29)	= 1
8.	Herpes Simplex Encephalitis (non-resident case) Code No. A 43	= 1
9.	Sarcoidosis (Code No. A 43)	= 1
10.	Syphilis (Code No. A 10)	= 1

V I T A L S T A T I S T I C S

LIVE BIRTHS - 1969 - 1973

Out of 7,988 live-born babies born in Calgary in 1973, 585 were premature (the weight recorded as 5½ pounds and less) -- this represents 7.3% of all births.

Year	Population	Births Incl. Non-Residents	Rate Per 1,000 Population	Births Residents Only	Rate Per 1,000 Population
1973	424,787	7,988	18.8	7,224	17.0
1972	412,777	7,967	19.3	7,183	17.4
1971	398,034	8,408	21.1	7,586	19.0
1970	385,436	9,136	23.7	8,149	21.1
1969	369,025	8,349	22.6	7,429	20.1

STILLBIRTHS - 1969 - 1973

Year	No. of Stillbirths Incl. Non-Residents	Rate Per 1,000 Live Births Gross	Stillbirths Residents Only	Rate Per 1,000 Live Births Net
1973	67	8.4	59	8.2
1972	68	8.5	63	8.8
1971	89	10.6	77	10.1
1970	112	12.2	101	12.4
1969	101	12.1	84	11.3

MARRIAGES - 1973

Number of marriages performed in the City of Calgary in 1973 was 4,460. This represents a rate of 10.5 per 1,000 population.

DEATHS AND MORTALITY RATES - 1969 - 1973

Year	No. of Deaths Incl. Non-Residents	Rate Per 1,000 Population	No. of Deaths Residents Only	Rate Per 1,000 Population
1973	2,762	6.5	2,373	5.6
1972	2,626	6.4	2,278	5.5
1971	2,810	7.0	2,423	6.1
1970	2,591	6.7	2,212	5.7
1969	2,390	6.5	2,087	5.6

INFANT DEATHS AND MORTALITY RATES - 1969 - 1973

Deaths Within First Year Of Life	1973		1972		1971		1970		1969	
	Gross	Net	Gross	Net	Gross	Net	Gross	Net	Gross	Net
Number of Infant Deaths	115	86	139	105	164	142	178	142	159	132
Rate per 1,000 Live Births	14.4	11.9	17.4	14.6	19.5	18.7	19.5	17.4	19.0	17.8

Gross - Includes Non-Residents; Net - Residents Only.

CAUSES OF INFANT DEATHS - 1969-1973

CAUSE OF INFANT DEATH	1973	1972	1971	1970	1969
Immaturity and ill-defined diseases of early infancy (Code No. A 135)	38	68	85	83	75
Congenital malformations (A 127 to A 129)	37	32	33	39	37
Acute respiratory infections including Pneumonia and Bronchitis (A 132, A 87 to A 97)	10	9	13	21	5
*Accidental Causes (AE 138 to AE 147)	9	5	5	9	5
Injuries at birth (A 130)	9	-	2	5	8
Haemolytic Disease of the Newborn (A 133)	3	-	1	4	6
Postnatal Asphyxia and Atelectasis (A 131)	2	5	5	5	11
Non-Meningococcal Meningitis (No. A 71)	2	4	4	2	-
Gastro-Intestinal Disorders (A 101 to A 107)	1	-	1	1	4
Infectious Hepatitis (A 34)	1	-	-	-	-
Measles (A 32)	-	-	-	-	-
Meningococcal Infection (A 23)	-	1	-	1	-
Septicaemia (A 20)	-	-	-	1	1
Malignant Neoplasm (A 44 to A 59)	-	-	1	3	1
All other and unknown causes	3	15	14	4	6
TOTALS	115	139	164	178	159

*The 9 accidental deaths include 1 death due to fire and 8 deaths due to suffocation.

Of the 115 infant deaths in 1973, 47 occurred within the first twenty-four hours of life; 28 deaths occurred after twenty-four hours but within the first week of life; 8 deaths occurred after one week but within the first month of life -- combined they represent 72.2% of the total infant deaths.

MATERNAL MORTALITY (INCLUDING NON-RESIDENTS) - 1969 - 1973

Year	Live Births	Number of Maternal Deaths		Rate Per 1,000 Live Births
		Resident	Non-Resident	
1973	7,988	-	-	-
1972	7,967	1	-	0.13
1971	8,408	1	-	0.12
1970	9,136	-	1	0.11
1969	8,349	-	1	0.12

CAUSES OF MATERNAL DEATHS - 1972 - 1973

	Number Including Non-Residents		Residents Only	
	1973	1972	1973	1972
Sepsis of pregnancy & the puerperium	-	1	-	1
Toxaemias of pregnancy & the puerperium	-	-	-	-
Accidents of pregnancy & childbirth	-	-	-	-
Abortions -- Septic & Non-Septic	-	-	-	-
Other complications of pregnancy, childbirth & the puerperium	-	-	-	-

REPORTED CASES AND DEATHS FROM TUBERCULOSIS - CALGARY RESIDENTS - 1969-1973

Year	New Active Cases	Number Died In Calgary	Number Died In Sanatoria Outside Calgary	Total Deaths	Death Rate Per 100,000 Population
1973	34	1	2	3	0.7
1972	38	1	1	2	0.5
1971	33	-	4	4	1.0
1970	57	2	2	4	1.0
1969	29	1	2	3	0.8

In 1973 there was one more death from Tuberculosis of a Calgary Resident in an Alberta Sanatorium that was not registered in Calgary and two-non-resident deaths from Tuberculosis that occurred in a Calgary Hospital -- these three deaths are not included in the above table.

REPORTED CASES AND DEATHS FROM CHICKENPOX, DIPHTHERIA, INFECTIOUS HEPATITIS, MEASLES, MENINGOCOCCAL MENINGITIS, PERTUSSIS, SALMONELLA INFECTION, ETC. - RESIDENTS ONLY - 1971 - 1973

COMMUNICABLE DISEASE	C A S E S			D E A T H S			Mortality Rate Per 100,000 Population		
	1971	1972	1973	1971	1972	1973	1971	1972	1973
Chickenpox	1,070	1,507	1,682	-	-	-	-	-	-
Diphtheria	-	-	-	-	-	-	-	-	-
Infectious Hepatitis	424	410	401	2	1	2	0.5	0.2	0.5
Measles	321	34	75	-	-	-	-	-	-
Meningococcal Meningitis	3	4	4	2	2	1	0.5	0.5	0.2
Pertussis	96	35	10	-	1	-	-	0.2	-
Rubella (*Death of a Newborn)	2,682	186	94	*1	-	-	0.25	-	-
Salmonella Infection	91	121	179	-	-	-	-	-	-
Syphilis	32	41	36	-	1	1	-	0.2	0.2

Not included in the above table for 1973 is a resident who died from Sarcoidosis and another resident who died from Acute Viral Infection.

Not included also are five non-residents who died in Calgary hospitals in 1973 from the following infectious diseases:- two from Infectious Hepatitis; two from Septicaemia; one from Acute Infectious Encephalitis.

CHIEF CAUSES OF DEATHS - 1973, 1972, 1971
(Including Non-Residents Who Died In Calgary)

CAUSES OF DEATHS	Number Of Deaths			Rate Per 100,000 Population		
	1973	1972	1971	1973	1972	1971
Diseases of the heart, arteries & kidneys, including apoplexy	1,105	981	979	260.1	237.6	245.9
Neoplasms - All Forms	654	599	635	154.0	135.4	159.5
Violent and Accidental Deaths	323	287	298	76.1	69.5	74.9
Pneumonia, Bronchitis & Influenza (Code No. A 87 - A 93)	159	138	183	37.4	33.4	46.0
Certain diseases of early infancy, including prematurity	54	77	100	12.7	18.6	25.1
Other respiratory diseases - Emphysema, Bronchiectasis, Pulmonary Fibrosis, Etc.	73	51	64	17.2	12.3	16.1
Cirrhosis of Liver	58	47	46	13.7	11.4	11.5
Congenital malformations (all age groups)	54	41	53	12.7	9.9	13.3
Diabetes Mellitus	41	29	29	9.7	7.0	7.3
Communicable diseases (other than Tuberculosis & Influenza)	12	7	7	2.8	1.7	1.7
Tuberculosis - All Forms	*6	*4	5	1.4	1.0	1.2
All other causes	223	367	411	52.5	88.9	103.2
TOTALS	2,762	2,626	2,810			

*These numbers include City Residents who died of Tuberculosis in an Alberta Sanatorium, but the deaths were not registered in Calgary.

CAUSES OF DEATH BY AGE AND SEX (NON-RESIDENTS INCLUDED) - 1973

ABBREVIATED LIST OF 15 CAUSES OF DEATH

	M a l e	F e m a l e	Under 1 year	1 - 4 yrs.	5 - 14 yrs.	15 - 24 yrs.	25 - 44 yrs.	45 - 64 yrs.	65 yrs. & up	T O T A L S
1. Infective & parasitic diseases	6	11	1		1	4	1	3	7	17
2. Neoplasms - all forms	395	259		5	6	9	43	239	352	654
3. Allergic, endocrine system, metabolic & nutritional diseases; diseases of the blood forming organs (Code No. A 61 - A 66)	38	22			1	1	9	19	30	60
4. Mental, psychoneurotic & personality disorders (Alcoholism)	20	10				4	5	16	5	30
5. Diseases of the nervous system & sense organs (including apoplexy)	141	169	2	1		6	15	55	231	310
6. Diseases of the circulatory system	456	352				1	23	65	619	808
7. Diseases of the respiratory system	159	74	8	4			5	30	186	233
8. Diseases of the digestive system	94	62	1	1			11	54	89	156
9. Diseases of the genito-urinary system	24	13				1	2	8	26	37
10. Deliveries & complications of pregnancies, childbirth & puerperium										
11. Diseases of the skin & cellular tissue, diseases of the bones & organs of movement	7	2					3	2	4	9
12. Congenital malformations	26	28	37	4	6	2	4	1		54
13. Certain diseases of early infancy (including prematurity & birth injuries)	31	23	54							54
14. Symptoms, senility, ill-defined & unknown causes of mortality	8	8	3						13	16
15. Accidents, poisonings & violence	211	112	9	13	16	59	84	49	93	323
TOTALS	1616	1145	115	28	30	87	205	641	1655	2761

CAUSES OF DEATHS - 1973

Intermediate List Of 150 Causes Of Death

List No.	Causes of Death	Sex	Total	Residents	Non-Residents	A G E A T D E A T H						
						Under 1 yr.	1 - 4	5 - 14	15 - 24	25 - 44	45 - 64	65 years & over
A 1	Tuberculosis of respiratory system	M F	1 1	1 1						1		1
A 5	Tuberculosis, all other forms	M F	2 1	1	1 1							2 1
A 10	All other Syphilis	M F	1	1								1
A 20	Septicaemia & Pyaemia	M F	2		2				1			1
A 23	Meningococcal Infections	M F	1	1					1			
A 29	Acute Infectious Encephalitis	M F	1		1			1				
A 34	Infectious Hepatitis	M F	2 2	2	2	1			2		1	
A 43	All other diseases classified as Infective & Parasitic	M F	1 2	1 1	1						1 1	1
A 44	Malignant neoplasm of buccal cavity	M F	9 2	9 1	1					1	1 1	7 1
A 45	Malignant neoplasm of esophagus	M F	13 3	7 3	6				1		6 1	6 2
A 46	Malignant neoplasm of stomach	M F	27 12	19 10	8 2					2	8 2	17 10
A 47	Malignant neoplasm of intestine, except rectum	M F	33 41	31 39	2 2					3 2	8 11	22 28
A 48	Malignant neoplasm of rectum	M F	16 3	15 2	1 1						5 1	11 2
A 49	Malignant neoplasm of larynx	M F	4	3	1						1	3
	Carried Forward		180	148	32	1		1	5	9	48	116

List No.	Causes of Death	Sex	Total	Residents	Non-Residents	A G E A T D E A T H						
						Under 1 yr.	1 - 4	5 - 14	15 - 24	25 - 44	45 - 64	65 years & over
	Brought Forward		180	148	32	1		1	5	9	48	116
A 50	Malignant neoplasm of trachea, bronchus & lung, not specified as secondary	M F	94 22	79 21	15 1					3 2	45 13	46 7
A 51	Malignant neoplasm of breast	M F	52	47	5					8	25	19
A 52	Malignant neoplasm of cervix uteri	M F	11	10	1					1	8	2
A 53	Malignant neoplasm of other & unspecified parts of uterus	M F	10	10							2	8
A 54	Malignant neoplasm of prostate	M F	51	48	3						3	48
A 55	Malignant neoplasm of skin	M F	1 2	1 1	1					1 1		1
A 56	Malignant neoplasm of bone & connective tissue	M F	2 3	2 3				1		1	1	1 1
A 57	Malignant neoplasm of all other & unspecified sites	M F	104 78	91 69	13 9		1 1	1 2	2 3	7 7	45 31	48 34
A 58	Leukaemia & Aleukaemia	M F	22 9	18 4	4 5		2 1	2	1	1	6 4	10 4
A 59	Lymphosarcoma & other neoplasms of lymphatic & haematopoietic system	M F	19 9	16 9	3				1 1	3	5 4	10 4
A 60	Benign neoplasms & neoplasms of unspecified nature	M F	2	1	1						2	
A 63	Diabetes Mellitus	M F	25 16	21 12	4 4			1		5 1	9 4	11 10
A 64	Avitaminosis & other deficiency states	M F	2	2						1	1	
	Carried Forward		714	613	101	1	5	8	13	51	256	380

List No.	Causes of Death	Sex	Total	Residents	Non-Residents	A G E A T D E A T H						
						Under 1 yr	1 - 4	5 - 14	15 - 24	25 - 44	45 - 64	65 years & over
	Brought Forward		714	613	101	1	5	8	13	51	256	380
A 65	Anaemias	M F	6 2	6 2						1	1	4 2
A 66	Allergic disorders; all other endocrine, metabolic & blood diseases	M F	5 4	4 4	1				1	1	3 1	3
A 67	Psychoses	M F	1	1								1
A 68	Psychoneuroses & disorders of personality (alcoholism)	M F	20 9	18 6	2 3				2 2	4 1	12 4	2 2
A 70	Vascular lesions affecting central nervous system	M F	115 156	105 144	10 12				1	5 2	20 19	89 135
A 71	Non-Meningococcal Meningitis	M F	5 1	1	4 1	1 1	1			1	1	1
A 72	Multiple Sclerosis	M F	6 6	6 6						2	3 5	1 1
A 73	Epilepsy	M F	6 1	6 1					3	3 1		
A 78	All other diseases of the nervous system	M F	9 6	8 6	1				1 1	1	4 3	3 2
A 80	Chronic Rheumatic Heart Disease	M F	9 16	8 11	1 5					1 4	2 2	6 10
A 81	Arteriosclerotic & Degenerative Heart Disease	M F	321 215	262 188	59 27					11 1	88 36	222 178
A 82	Other diseases of heart	M F	18 26	17 26	1						1	17 26
A 83	Hypertension with Heart Disease	M F	10 19	9 19	1						3 4	7 15
A 84	Hypertension without mention of heart	M F	3 6	3 5	1					1	1	3 4
	Carried Forward		1,715	1,485	230	3	6	8	24	91	469	1,114

List No.	Causes of Death	Sex	Total	Residents	Non-Residents	A G E A T D E A T H						
						Under 1 yr.	1 - 4	5 - 14	15 - 24	25 - 44	45 - 64	65 years & over
	Brought Forward		1,715	1,485	230	3	6	8	24	91	469	1,114
A 85	Diseases of arteries	M F	74 54	64 49	10 5						10 8	64 45
A 86	Other diseases of circulatory system	M F	21 16	18 14	3 2				1	2 2	6 4	13 9
A 87	Acute respiratory infections	M F	2 2	2 1		1	2				1	
A 88	Influenza	M F	2 6	2 6						1		2 5
A 90	Bronchopneumonia	M F	30 25	29 23	1 2	1 1	1 1			2	1 2	25 21
A 91	Primary atypical, other & unspecified pneumonia	M F	34 19	31 18	3 1	1 1					2 1	31 17
A 92	Acute Bronchitis	M F	2 1	2 1		1 1						1
A 93	Bronchitis, chronic & unqualified	M F	32 4	31 4	1						8 2	24 2
A 95	Empyema & abscess of lung	M F	1 1	1 1							1	1
A 97	All other respiratory diseases	M F	56 16	50 15	6 1	1				1 1	11 1	43 14
A 99	Ulcer of stomach	M F	7 3	7 3						1	1 1	6 1
A 100	Ulcer of duodenum	M F	5 3	5 3							2	3 3
A 101	Gastritis & Duodenitis	M F	2 1	2 1								2 1
A 102	Appendicitis	M F	2 1	2 1							1 1	1
	Carried Forward		2,137	1,871	266	11	10	8	25	102	533	1,448

List No.	Causes of Death	Sex	Total	Residents	Non-Residents	A G E A T D E A T H						
						Under 1 yr.	1 - 4	5 - 14	15 - 24	25 - 44	45 - 64	65 years & over
	Brought Forward		2,137	1,871	266	11	10	8	25	102	533	1,448
A 103	Intestinal obstruction & hernia	M F	11 15	9 12	2 3						4 3	7 12
A 104	Gastro-Enteritis & Colitis, except diarrhoea of newborn	M F	4 4	2 3	2 1	1	1				1	2 3
A 105	Cirrhosis of liver	M F	40 18	32 14	8 4					1 5	28 5	11 8
A 106	Cholelithiasis & Cholecystitis	M F	8 8	6 7	2 1						1 1	7 6
A 107	Other diseases of digestive system	M F	15 9	9 8	6 1					1 2	4 1	10 6
A 109	Chronic, other & unspecified Nephritis	M F	12 6	9 6	3					2	3 2	7 4
A 110	Infections of kidney	M F	3 5	2 5	1				1			3 4
A 111	Calculi of urinary system	M F	1	1								1
A 112	Hyperplasia of prostate	M F	7	5	2						1	6
A 114	Other diseases of genito-urinary system	M F	1 2	1 1	1						2	1
A 122	Arthritis & Spondylitis	M F	2	1	1							2
A 123	Muscular Rheumatism & Rheumatism unspecified	M F	1	1								1
A 126	All other diseases of skin & musculoskeletal system	M F	6	5	1					3	2	1
A 127	Spina bifida & meningocele	M F	1 1	1 1		1			1			
	Carried Forward		2,317	2,012	305	13	11	8	27	117	591	1,550

List No.	Causes of Death	Sex	Total	Residents	Non-Residents	A G E A T D E A T H						
						Under 1 yr.	1 - 4	5 - 14	15 - 24	25 - 44	45 - 64	65 years & over
	Brought Forward		2,317	2,012	305	13	11	8	27	117	591	1,550
A 128	Congenital malformations of circulatory system	M F	8 10	8 7	 3	5 7	1 1	1 1		1 1		
A 129	All other congenital malformations	M F	17 17	9 12	8 5	13 11	1 1	2 2	1	2	1	
A 130	Birth injuries	M F	3 6	3 5	 1	3 6						
A 131	Postnatal asphyxia & atelectasis	M F	2	1	1	2						
A 132	Infections of the newborn	M F	1 1		1 1	1 1						
A 133	Haemolytic disease of newborn	M F	3	1	2	3						
A 135	Ill-defined diseases peculiar to early infancy & immaturity unqualified	M F	22 16	20 12	2 4	22 16						
A 136	Senility without mention of psychosis	M F	6 6	5 6	1							6 6
A 137	Ill-defined & unknown causes of mortality	M F	2 2	2 2		1 2						1
AE 138	Motor vehicle accidents	M F	68 28	47 21	21 7		7	5 5	26 8	20 4	6 7	4 4
AE 139	Other transport accidents	M F	5 1	3 1	2				1	5		
AE 140	Accidental poisoning	M F	18 5	16 5	2		1	1 1	3	5 1	5 3	3
AE 141	Accidental falls	M F	40 46	31 42	9 4		1 2	1	2	4 1	6 1	27 41
AE 142	Accidents caused by machinery	M F	2	2						2		
	Carried Forward		2,652	2,273	379	106	26	27	68	163	620	1,642

List No.	Causes of Death	Sex	Total	Residents	Non-Residents	A G E A T D E A T H						
						Under 1 yr.	1 - 4	5 - 14	15 - 24	25 - 44	45 - 64	65 years & over
	Brought Forward		2,652	2,273	379	106	26	27	68	163	620	1,642
AE 143	Accidents caused by fire & explosion of combustible material	M F	6 3	5 3	1	1	1		1	1		4 1
AE 144	Accidents caused by hot substances, corrosive liquid, steam & radiation	M F	2	2					1	1		
AE 145	Accidents caused by firearm	M F	2	2					1	1		
AE 146	Accidental drowning & submersion	M	7	6	1				1	3	2	1
AE 147	All other accidental causes	M F	12 4	11 4	1	5 3	1		2	2	2	1
AE 148	Suicide & self-inflicted injury	M F	42 22	39 19	3 3			2	8 5	22 8	7 8	3 1
AE 149	Homicide & injury purposely inflicted by other persons	M F	7 3	6 3	1			1		2 2	2	2 1
	TOTALS		2,762	2,373	389	115	28	30	87	205	641	1,656

DEATHS FROM ACCIDENTAL POISONING IN CALGARY - 1973

	1 - 4 Years		5-14 Years		15-24 Years		25-44 Years		45-64 Years		65 yrs. & over		Totals
	M	F	M	F	M	F	M	F	M	F	M	F	
1. Overdose of Drugs & Medicines For Internal & External Use	1						1		1	2			5
2. Overdose of Drugs With Alcohol Intoxication									1				1
3. Methyl Alcohol, Isopropyl Alcohol Ingestion			1					1					2
4. Natural Gas (Faulty Gas Heater Venting)				1			1						2
5. Car Exhaust Fumes					1		2		2	1	3		9
6. Car Exhaust Fumes Plus Alcohol Intoxication					*2		1		1				4
TOTALS	1		1	1	3		5	1	5	3	3		23

*Non-Residents

SELF-INFLICTED DEATHS (SUICIDES) IN CALGARY - 1973

	12-14 Years		15-24 Years		25-44 Years		45-64 Years		65 yrs. & over		Totals
	M	F	M	F	M	F	M	F	M	F	
1. Gunshot Wounds			*5	*1	*7	1	4	1	2		21
2. Car Exhaust Fumes (Carbon Monoxide)			1	1	8	1	2	1	1		15
3. Overdose of drugs				2	2	3	1	3			11
4. Hanging & Strangulation	2		2		1	*2		1		1	9
5. Poisoning By Household Chemicals								*2			2
6. Slashing of Wrist, Stabbing of Heart					1	1					2
7. Jumping From Building					1						1
8. Drowning					1						1
9. Run Over By Bus					*1						1
10. Plastic Bag Tied Over Head				1							1
	2		8	5	22	8	7	8	3	1	64

There were 6 cases of suicide in the non-residents, as indicated by asterisks in each age group.

REPORTED CASES AND DEATHS FROM NOTIFIABLE COMMUNICABLE DISEASES (RESIDENTS ONLY) - 1973

D I S E A S E	Under 1 Year		1 - 4		5 - 9		10-14		15-19		20-24		25-29		30-39		40-59		60 Yrs. & Over		Total Cases	Deaths If Any
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F				
Acute Food Poisoning						1	1	2							1	1	2				13	
Amoebic Dysentery											2	2	1		2						7	
Aseptic Viral Meningitis							1														1	
Bacillary Dysentery	1	1	4	4	4	3		1								1	1				20	
Diarrhoea of Newborn	2																				2	
Diphtheria Carrier					1									1							2	
Infectious Hepatitis			8	5	20	30	21	15	59	50	42	27	25	20	27	18	17	12	2	3	401	1
Malaria																	1				1	
Meningococcal Infection			1						1								1				3	1
Paratyphoid Fever							1														1	
Pertussis		1	2	1	1	2	1	1								1					10	
Red Measles	1	1	15	5	23	19	4	6							1						75	
Rubella	3	3	17	14	15	23	5	7	3		2			1		1					94	
Salmonella Infection	2	14	16	21	10	10	9	12	2	11	6	14	7	9	4	7	4	10	5	6	179	
Scarlet Fever & Strep Sore Throat	1	2	21	19	40	47	14	13	4	3	4	6	4	2	1	5	1	1			188	
Serum Hepatitis								2	13	5	14	5	6	3	2	2	1		1		54	1
Tuberculosis, Pulmonary			1	1	1		1	1	1	2	1	3	1			2	6	1	4	1	27	2
Tuberculosis, Non-Pulmonary												1			1		2	3			7	1
TOTALS	10	22	85	70	115	135	58	60	83	74	72	58	44	36	39	38	34	30	12	10	1,085	6

REPORTED COMMUNICABLE DISEASES BY MONTH IN 1973

D I S E A S E	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTALS
Acute Food Poisoning		3	6		4								13
Amoebic Dysentery											1	6	7
Aseptic Viral Meningitis			1										1
Bacillary Dysentery				2			1	1	3	5	1	7	20
Diarrhoea of Newborn						1					1		2
Diphtheria Carrier							2						2
Infectious Hepatitis	28	45	44	38	38	24	14	39	53	21	27	30	401
Malaria									1				1
Meningococcal Infection	1			1				1					3
Paratyphoid Fever								1					1
Pertussis	2	2	1						2	3			10
Red Measles	6	6	16	4	4			4	3	10	15	7	75
Rubella	9	5	4	10	12	3	3	3	16	8	11	10	94
Salmonella Infection	2	10	18	11	12	3	6	11	24	41	21	20	179
Scarlet Fever & Streptococcal Sore Throat	20	15	27	12	12	4	9	3	6	17	28	35	188
Serum Hepatitis	1	2	7	5	2	8	5	6	6	3	5	4	54
Tuberculosis, Pulmonary	4	2	2	3			2	2	3	4	3	2	27
Tuberculosis, Non-Pulmonary		2	1	1			1		1		1		7
TOTALS	73	92	127	87	84	43	43	71	118	112	114	121	1,085

COMMUNICABLE DISEASES NOT NOTIFIABLE IN THE PROVINCE OF ALBERTA - REPORTED IN 1973

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTALS
Mumps	309	298	328	353	307	193	4	2	47	128	133	109	2,211
Chickenpox	258	125	230	164	138	98	2	6	49	149	253	210	1,682
TOTALS	567	423	558	517	445	291	6	8	96	277	386	319	3,893

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VENEREAL DISEASE INCIDENCE - CALGARY - 1973

	5 - 9 Years		10-14 Years		15-19 Years		20-24 Years		25-29 Years		30-39 Years		40-59 Years		60 Years & Over		Age Not Stated		TOTALS
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	
Syphilis:- Prenatal (Congenital)					2														2
Syphilis:- Acquired Primary							5		1		2		2						10
Syphilis:- Acquired Secondary					1	1	1	1	2				1						7
Syphilis:- Acquired Latent - Early					1		1		3	2		1							8
Syphilis:- Acquired Latent - Late											1		1		2				4
Syphilis:- Acquired Type Undetermined											1		1	1					5
Gonorrhoea:- (All Forms)		1	1	6	145	156	415	159	309	77	246	39	102	14	6	1	21	3	1,701
TOTALS		1	1	6	149	157	422	162	315	79	250	40	107	15	6	3	21	3	1,737

One case of death due to Syphilis was reported in a female of the age group 60 yrs. & over. Since reporting practice so grossly varies from city to city, no valid comparison with other cities can be made. However, incidence of Gonorrhoea in Calgary is rising in recent years. The total reported cases for 1973 are greater by 22% than for 1972.

T. B. CLINIC 1973

1973

Patients Visiting Clinic	2,149
Home Visits - Total	1,232
Other Calls -- To Schools, Sanatorium, Etc.	49
Streptomycin Injections	54
Tuberculin Tests - Total	2,369
- Positive	402
In Office	1,428
Outside Office	941
School Tuberculin Testing - Total	20,725
- Reactor Rate - Grade 1	0.26
- Reactor Rate - Grade IX	1.17
City Hall X-Rays	14,349

1 9 7 3

1973 Total Attendance	Probable T.B.		Other Abnormalities			Total Abnormalities
	Active	Inactive	Plurisy Inactive	Further examination requested	Non T.B. Conditions	
14349	1	587	145	170	76	979

New Cases Discovered	34
Pulmonary	27
Non-Pulmonary	7

Case Rate 8 per 100,000.

Approximately 150 on chemotherapy or chemoprophylaxis.

Transportation provided for 4 patients to Baker Memorial Sanatorium.

Transportation provided for 5 patients to City Hall.

In addition to the two nurses on the Board of Health engaged full time in the Tuberculosis Control Program, there are two employees of the Alberta Tuberculosis Association largely funded by the Kinsmen Club, namely the x-ray technician (full time) and the receptionist (half time). These functions are carried out and co-ordinated with the other operations of the Local Board of Health, with some expert direction from the Division of Tuberculosis Control of Alberta, Department of Health and Social Development, especially the Staff of the Baker Memorial Sanatorium.

The school population served in 1973 was 80,506. These were students of:-

Calgary Public School System (Elementary & Junior High).....	62,569
Calgary Separate (Roman Catholic) School System	17,297
Hebrew	276
Peretz Institute	55
Calgary Christian School	245
Seventh Day Adventist School	60
Adult Day Centre	4
Total	80,506

No major change in Program took place this year. As outlined in our Annual Report for the year 1971, the barriers to an effective program of the public health nurse in the high school had been accumulating. The latest difficulties were the re-organization of the school systems so that there were no home rooms and the introduction of the semester system. It had become more difficult and less popular for the students to consult the nurse than to consult the counsellor or social worker. Meetings with the involved Administrations, both locally and centrally, had failed to lead to a situation where the time devoted to service in the high school was effectively used and in September 1973 public health nursing time was no longer scheduled in the high schools.

The physical examinations by physicians of pupils in schools were less numerous -- only 194 for the year. These were pupils selected by the nurses as possibly needing some advice or care and more likely to get it if the problem is noted and referred by a doctor. Some service to school children is also rendered at the City Hall. This is usually something exceptional regarding an infection or other possible problem better sorted out in this way than waiting for an appointment with private physician or sending to emergency at a hospital. Referrals from school nurses also come to the City Hall for threshold audiometer testing and certain cases where eyeglasses, though needed, have not been acquired.

No. of pupils given audiometer threshold hearing tests	202
No. of pupils showing hearing loss	62
No. referred to ear specialist	50
No. of pupils provided with free glasses	7

The Alberta Government's Early Childhood Services Program was introduced in the spring of 1973. While the Departmental responsibility for this Program is with the Department of Education and services delivered are educational, the aim is to integrate as much as possible with health, recreation, social and community services. Staff Nurses, Assistant Medical Officer of Health and Supervisors have all been involved in meetings of Advisory Committees for planning and delivery, both centrally and locally. It was at first presumed by those responsible for these Programs that the results of the usual services from our Child Health Centres, such as physical examinations, Denver Developmental Screening Tests, would help to establish priorities of need for the Early Childhood Educational Services by identifying areas of the City where neglect had resulted in poor physical health and nutrition, retarded development and other problems. It has had to be pointed out that our statistics cannot validly be used as a basis for supporting claims by one community group that their area needs an Early Childhood Educational Program more than another area. The real purpose of these examinations -- to help the mother know and understand the health, development and needs of her child -- is nonetheless supportive to the aims of Early Childhood Education. The increased understanding of one another's functions, strengths and limitations is profiting all.

INFANT AND PRE-SCHOOL CLINICS REPORT - 1973

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	Bowness	Brent-wood	City Hall	Forest Lawn	Haysboro	North Hill	Scarboro	Shaganappi	TOTALS
<u>INFANTS</u>									
Attendance	1,628	952	2,556	4,451	5,328	4,810	2,567	3,129	25,421
New Admissions	295	172	633	1,123	1,340	1,393	599	682	6,237
On Breast	83	41	75	127	252	233	170	112	1,093
On Bottle	211	131	558	996	1,080	1,159	429	570	5,134
Denver Developmental Screening Tests	267	141	182	136	664	778	143	277	2,588
<u>PRE-SCHOOL</u>									
Attendance	2,855	1,195	3,227	5,326	5,583	5,315	2,406	4,290	30,197
New Admissions	291	78	292	540	699	535	205	396	3,036
Doctors' Examinations	241		147	62	305	97	353	219	1,424
Doctors' Days	34		35	14	39	16	37	26	201
Denver Developmental Screening Tests	527	104	336	220	805	857	158	394	3,401
Attendance - Both Age Groups	4,483	2,147	5,783	9,777	10,911	10,125	4,973	7,419	55,618
*Attendance For Immunizations Only			486	2,191	11,000	13,000			26,677
GRAND TOTAL ATTENDANCE	4,483	2,147	6,269	11,968	21,911	23,125	4,973	7,419	82,295
NO. OF CLINIC DAYS	150	88	239	235	235	235	200	234	1,616
AVERAGE ATTENDANCE	29.9	24.4	26.2	50.9	93.2	98.4	24.9	31.7	50.9

*The attendance for immunizations only in Forest Lawn, Haysboro and North Hill is in some degree a measure of insufficient resources (space and staff) where families are not availing themselves of the full service of the Clinic.

ATTENDANCE AT CHILD HEALTH CENTRES

	<u>1967</u>	<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>	<u>1973</u>
<u>Infant Attendance</u>							
New	5,548	5,620	6,037	6,374	6,760	6,068	6,237
Old	<u>13,489</u>	<u>14,959</u>	<u>14,963</u>	<u>16,400</u>	<u>18,760</u>	<u>17,953</u>	<u>19,184</u>
Total Infant Attendance	19,037	20,579	21,000	22,774	25,520	24,021	25,421

Pre-School Attendance

New	3,768	3,297	3,285	3,183	3,339	2,759	3,036
Old	<u>23,756</u>	<u>23,695</u>	<u>22,892</u>	<u>24,521</u>	<u>29,523</u>	<u>26,186</u>	<u>27,161</u>
Total Pre-School Attendance	27,524	26,992	26,177	27,704	32,862	28,945	30,197

NEW ENROLLMENTS EXPRESSED AS PERCENTAGE OF BIRTHS MINUS DEATHS

	<u>1967</u>	<u>1968</u>	<u>1969</u>	<u>1970</u>	<u>1971</u>	<u>1972</u>	<u>1973</u>
Births	7,301	7,184	7,429	8,149	7,586	7,183	7,224
m i n u s							
Infant Deaths	<u>153</u>	<u>112</u>	<u>132</u>	<u>178</u>	<u>142</u>	<u>105</u>	<u>77</u>
	7,148	7,072	7,297	7,971	7,444	7,078	7,147

New Infants	5,548	5,620	6,037	6,374	6,760	6,068	6,237
p l u s							
New Pre-Schoolers Enrolled	<u>3,768</u>	<u>3,297</u>	<u>3,285</u>	<u>3,183</u>	<u>3,339</u>	<u>2,759</u>	<u>3,036</u>
	9,316	8,917	9,322	9,557	10,099	8,827	9,273

New Infants Plus Pre-Schoolers Enrolled Expressed As A % Of Births Minus Deaths	130.4%	126.1%	127.7%	119.9%	135.7%	124.7%	129.7%
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PUBLIC HEALTH NURSING SERVICES - 1973

Inspections and Tests in Schools

No. of children inspected by P.H.N.'s		29,174
No. referred to Family Physician	2,910	
No. referred to S.M.O.	40	
No. of vision tests		37,212
No. referred re vision	3,747	
No. of color vision tests		5,295
No. found to be color blind	283	
No. of audiometer tests		15,694
No. referred re hearing	635	
No. of dental inspections		22,132
No. requiring dental treatment	4,617	
No. of T.B. tests		21,790
No. of positive T.B. tests	185	
No. excluded from school re Communicable Disease		2,680

Inspection for Pediculosis - 599; No. of First-Aid Treatments - 16,609

Home Visits Re Sickness And Health Education -- 1973

Pre-Natal	280	Acute Communicable Disease	542
Newborn	7,677	Investigations re complaint	300
Other than newborn infants	1,739	Poison Control and safety at home	209
Pre-school children	7,453	Family Planning	3,492
Nurseries & kindergartens	372	Co-op Social Welfare	397
School children	7,094	Family Folder	819
Adults	14,842		
Geriatric	356	First Visits to Homes	9,754
Handicapped	874	Repeat Visits to Homes	4,156
Mental Health	3,027		
T.B.	52	Not Home	4,644
T.B. contacts	76	Not Found	939

Conferences Regarding Health Problems With:-

Doctors	409	Students	24,145
Teachers	20,137	Supervisors	2,126
Parents	7,237	Co-op Other Agencies	1,799

Health Education In Classrooms

No. of Films Shown	1,141	No. of Classroom Talks	1,162
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Miscellaneous

Meetings Attended	4,008	Meetings Addressed	261
Total No. of Phone Calls	32,657		

SCHOOL TUBERCULOSIS TESTS - 1973

GRADE I

GRADE I NO. PUPILS	TUBERCULIN TESTS ACCEPTED	% ACCEPTING TESTS	TUBERCULIN TESTS POSITIVE	% FOUND POSITIVE REACTORS
8,298	7,645	92.1	20	0.26 (0.44 in 1972)

The group of 20 Positive Reactors includes:-

9 Immigrants with 7 BCG
1 Other With BCG

GRADE IX

GRADE IX NO. PUPILS	TUBERCULIN TESTS ACCEPTED	% ACCEPTING TESTS	TUBERCULIN TESTS POSITIVE	% FOUND POSITIVE REACTORS
8,783	7,909	90.0	93	1.17 (1.7 in 1972)

The group of 93 Positive Reactors includes:-

36 Immigrants with 15 BCG
18 Others With BCG
3 Previous Positive Reactors

Further reduction in the Tuberculin reactivity rate was evident in 1973. The degree of control of Tuberculosis in Calgary is excellent.

STAFF

CONTACTS (STAFF & STUDENTS)

	NO. TESTED	NO. OF REACTORS	NO. X-RAYED	NO. TESTED	NO. OF REACTORS	NO. X-RAYED
School	4,748	97	1,535	184	24	138
Administration	196	7				
Maintenance & Library Centre	227	7				

FLUORIDE DISTRIBUTION PROGRAM

	F L U O R I D E T A B L E T S		F L U O R I D E D R O P S	
	TOTAL NO. RxS FILLED (ORIGINAL, NEW & REFILLS)	TOTAL NO. REFILL RxS DISPENSED	TOTAL NO. RxS FILLED (ORIGINAL, NEW & REFILLS)	TOTAL NO. REFILL RxS DISPENSED
Totals 1973	12,833	5,739	16,975	7,848
Totals 1972	10,633	5,059	19,631	6,881

GRADE I IMMUNIZATION STATUS - SEPTEMBER 1972

DISEASE	FULL	%	LAPSED	%	IN- ADEQUATE	%	NONE	%	UN- KNOWN	%	TOTAL	%
Diphtheria	5448	67.5	1135	14.0	555	6.9	532	6.6	406	5.0	8076	100
Tetanus	5448	67.5	1135	14.0	555	6.9	532	6.6	406	5.0	8076	100
Polio	4802	59.5	823	10.2	1325	16.4	720	8.9	406	5.0	8076	100
Smallpox	4489	55.6	640	7.9			2504	31.0	443	5.5	8076	100
Measles:-												
a) Live	5656	70.0					1414	17.5	478	5.9	(8076)	
b) Had Disease	674	8.3										

GRADE I IMMUNIZATION STATUS - JUNE 1973

DISEASE	FULL	*%	LAPSED	%	IN- ADEQUATE	%	NONE	%	UN- KNOWN	%	TOTAL	%
Diphtheria	7994	96.9 95.7	101	1.2	91	1.1	90	1.1	80	0.9	8356	
Tetanus	7994	96.9 95.7	101	1.2	91	1.1	90	1.1	80	0.9	8356	
Polio	7934	95.1 95.0	68	0.8	178	2.1	97	1.2	79	0.9	8356	
Smallpox	5546	77.6 66.4					2723	32.6	87	1.0	8356	
Measles:-												
a) Live	6180	69.0 74.0					1351	16.2	174	2.1		
b) Had Disease	715	11.9 8.6										

The upper Table indicates the status of immunization of children in the City at the end of their pre-school life. The lower Table indicates the status of immunization of children in the City at the end of their first year in school.

The column "LAPSED" is for tabulation of those who have had a full primary series but for whom the recommended time for a booster has passed without their having had it. Fairly good levels of immunity would also be possessed by most of those children counted in the "LAPSED" column. Although a small number of proven cases of Measles occurred late in 1973, no full scale epidemic occurred in that year. We assume that the levels of protection by vaccination of the population of the age groups usually so susceptible to this disease are keeping the outbreak from becoming a large epidemic.

Please note that in the lower Table "FULL IMMUNIZATION" Column, under the Percentages, the upper figures refer to the year 1972 while the lower figures refer to the year 1973.

USAGE OF MULTIPLE ANTIGENS IN 1973 IMMUNIZATIONS

(D) DOSES = Total Doses Including The Completed And Reinforcing

(C) COMPLETED = The Last Dose In A Series

(R) REINFORCING = Booster Subsequent To A Series

	DIPHThERIA & TETANUS			TETANUS & POLIO (BIAD)			DIPH. & PERTUSSIS + TETANUS (TRIPLE)			TRIPLE + POLIO (QUAD)		
	D	C	R	D	C	R	D	C	R	D	C	R
Infants	13	7	2				239	43	153	15,195	4,303	8
Pre-School	1,117	55	1,051	3	1		10,502	451	9,687	2,771	793	68
School	7,021	967	4,459	8	2	1						
Adults	58	18	5	242	54	15						
1973 TOTALS	8,209	1,047	5,517	253	57	16	10,741	494	9,840	17,966	5,096	76
1972 (FOR COMPARISON)	15,735	1,274	12,632	253	70	18	9,891	674	8,836	17,023	4,869	196

In addition to the above, 2 doses of TAB + Tetanus were used for adults.

For sheer numbers of immunizations given in 1973, see also the following Tables. The level of protection achieved in the Community is sufficient that these diseases for which there are good immunizations are not occurring in Calgary. Measles, until recently a disease which virtually no one escaped, did not become epidemic this year in Calgary even though it was epidemic in Winnipeg. However, a few proven cases did occur in Calgary.

USAGE OF SINGLE ANTIGENS IN 1973 IMMUNIZATIONS

(D) DOSES = All Doses Including The Completed And Reinforcing

(C) COMPLETED = The Last Dose In A Series

(R) REINFORCING = Booster Dose

	TYPHOID PARATYPHOID AB			TYPHUS			TYPHOID MONOVALENT			ROCKY MOUNTAIN SPOTTED FEVER			RABIES		
	D	C	R	D	C	R	D	C	R	D	C	R	D	C	R
Infants				6	3		3	1							
Pre-School	29	12		53	27	3	47	20	1						
Schools	175	59	29	189	91	18	540	310	12				4	1	
Adults	2,180	590	596	1,287	529	216	2,489	1,084	117	9	3	2	70	17	25
TOTALS	2,384	661	625	1,535	650	237	3,079	1,415	130	9	3	2	74	18	25
1972 (FOR COMPARISON)	4,523	1,647	663	1,516	607	212	790	378	24	6		4	92	12	47

USAGE OF SINGLE ANTIGENS IN 1973 IMMUNIZATIONS

- (D) DOSES - All Doses Including The Completed And Reinforcing
- (C) COMPLETED - The Last Dose In A Series
- (R) REINFORCING - Booster Dose

	C H O L E R A			P L A G U E			D I P H T H E R I A			S C H I C K T E S T S	G A M M A G L O B U L I N
	D	C	R	D	C	R	D	C	R		
Infants	15	8									18
Pre-School	156	66	7								157
Schools	356	164	12				2		2	241	490
Adults	4,367	1,864	119	9	3		19	1	3	423	626
1973 TOTALS	4,894	2,102	138	9	3		21	1	5	664	1,291
1972 (FOR COMPARISON)	3,651	1,626	83	10	1		10	6	2	586	1,191

PUBLIC HEALTH NURSING SECTION -- STUDENT PROGRAM

<u>CALGARY GENERAL HOSPITAL</u>	- <u>School of Nursing</u>	
	18 Students - $\frac{1}{2}$ day =	9 days
	<u>Dietetic Internes</u>	
	4 Students - 4 days =	16 days
<u>HOLY CROSS HOSPITAL</u>	- <u>School of Nursing</u>	
	6 Students - 2 days =	12 days
	<u>Graduate Staff</u>	
	38 R.N.'s - $\frac{1}{2}$ day =	19 days
<u>FOOTHILLS GENERAL HOSPITAL</u>	- <u>School of Nursing</u>	
	48 Students - 2 days =	96 days
	27 Students - $1\frac{1}{2}$ days =	40.5 days
<u>UNIVERSITY OF CALGARY</u>	- <u>Nursing Students</u>	
	51 Students - 1 day =	51 days
	55 Students - $1\frac{1}{2}$ days =	82.5 days
	<u>Medical Students</u>	
	1 Student - 6 days =	6 days
<u>UNIVERSITY OF ALBERTA</u>	- <u>Nursing Students</u>	
	2 Students - 5 days =	10 days
	<u>Dental Auxiliaries</u>	
	3 Students - 2 days =	6 days
	<u>Advanced Obstetrical Courses</u>	
	1 Student - $\frac{1}{2}$ day =	.5 days
	<u>TOTAL NO. OF STUDENTS - 254</u>	<u>348.5 days</u>

PANEL PRESENTATIONS & LECTURES:-

<u>Panel:-</u>	V.O.N. & P.H.N.	3
	P.H.N.	2
	LECTURE P.H.N.	<u>1</u>
		6

The number of students given supervisory field work and opportunity for observation and instruction in our programs has increased by 30% and 32% in 1972 and 1973 respectively. In the latter part of 1973 it was necessary for the Assistant Director of Nursing to delegate much of this to another staff member.

DENTAL HEALTH EVALUATION:- VICTORIA McKAY ROAD
BOWCROFT ASSUMPTION
R.B. BENNETT BELVEDERE-PARKWAY

1973-1974

GRADE	NUMBER	CF	ATC	MTR	NR	X	XR	G	F	P	R
SPECIAL EDUCATION	27	3 11.11%	9 33.33%	15 55.56%	7 25.93%	10 37.04%	2 7.4%	1 3.7%	6 22.22%	20 74.07%	11 40.74%
KINDER-GARTEN	110	34 30.9%	16 14.55%	60 54.55%	42 38.18%	8 7.27%	3 2.73%	10 9.09%	43 39.09%	57 51.82%	50 45.45%
I	340	65 19.11%	84 24.71%	191 56.18%	102 30.00%	50 14.71%	15 4.41%	39 11.47%	113 33.24%	188 55.29%	160 47.06%
II	327	40 12.23%	120 36.7%	167 51.07%	76 23.24%	78 23.85%	21 6.42%	43 13.15%	94 28.75%	190 58.1%	143 43.73%
III	296	26 8.78%	98 33.11%	172 58.11%	64 21.62%	76 25.68%	11 3.72%	25 8.45%	88 29.73%	183 61.82%	132 44.59%
IV	308	15 4.87%	123 39.94%	170 55.19%	65 21.1%	78 25.32%	13 4.22%	12 3.9%	60 19.48%	236 76.62%	133 43.18%
V	344	28 8.14%	152 44.19%	164 47.67%	63 18.31%	81 23.55%	13 3.78%	47 13.66%	100 29.07%	197 57.27%	130 37.79%
VI	293	19 6.49%	126 43.00%	148 50.51%	53 18.09%	35 11.95%	9 3.07%	24 8.19%	83 28.33%	186 63.48%	102 34.81%
TOTAL	2,045	230 11.25%	728 35.6%	1,087 53.15%	472 23.08%	46 2.25%	87 4.25%	201 9.83%	587 28.7%	1,257 61.47%	861 42.1%

LEGEND:-

CF	-	Caries Free	XR	-	Extractions Required
ATC	-	All Treatment Complete			
MTR	-	More Treatment Required			
NR	-	No Restorations			
X	-	Extractions			

Oral Hygiene:- G - Good
 F - Fair
 P - Poor

R - Referred

PROCTOR AND GAMBLE PROGRAM

DENTAL HEALTH EVALUATION - 1973

GRADE	NUMBER	CF	ATC	MTR	NR	X	XR	O R A L			H Y G I E N E			R
								G	F	P				
II	4,371	805 18.42%	1,885 38.46%	1,681 43.12%	776 17.75%	878 20.09%	168 3.84%	511 11.69%	1,671 38.23%	2,189 50.08%	1,265 28.94%			
III	973	128 13.15%	442 45.43%	403 41.42%	145 14.90%	222 22.82%	45 4.62%	118 12.13%	321 32.99%	534 54.88%	291 29.91%			
TOTAL	5,344	933 17.46%	2,327 43.54%	2,084 39.00%	921 17.24%	1,100 20.59%	213 3.99%	629 11.77%	1,992 37.27%	2,723 50.96%	1,556 29.12%			

LEGEND:-

CF - Caries Free
 ATC - All Treatment Complete
 MTR - More Treatment Required
 NR - No Restorations
 X - Extractions

XR - Extractions Required

Oral Hygiene:-
 G - Good
 F - Fair
 P - Poor

R - Referred

DENTAL HYGIENISTS' EDUCATIONAL VISITS - 1973

Proctor & Gamble

(A Program Using P. & G. Educational Materials Described In Earlier Annual Reports)

Schools Completed	91	<u>Kindergartens and Nursery Schools</u>	
Follow-Up Visits	10		
Year 2 Student Involvement	4,363	Classes Completed	169
Year 3 Student Involvement	5,187	Pre-Schooler Involvement	3,999
Special Student Involvement	29		

Special Requests

Schools Completed	71
Total Student Involvement	7,719

Grade 1 - 1,510	Grade 6 - 701
Grade 2 - 1,052	Grade 7 - 337
Grade 3 - 895	Grade 8 - 280
Grade 4 - 976	Grade 9 - 167
Grade 5 - 1,344	

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Other Dental Hygiene Education Programs

Adult

1. Homemakers Of Family Calgary Service Bureau -- 1 session
2. Mount Royal College -- 2 sessions

Hospital

1. Foothills -- 6 sessions with pediatric nurses
2. Holy Cross -- 1 session with year 3 nursing students
3. Children's -- 1 session with students

Student

1. University of Alberta -- 3 students -- 4 days
2. S.A.I.T. -- 13 students -- 6½ days

Day Care Centres, etc.

1. Shaganappi -- 4 visits
2. Bridgeland -- 4 visits
3. Children's Service Centre -- 4 visits

DENTAL HYGIENIST CLINICAL SERVICES - 1973

	S C H O O L	P R E - S C H O O L
Appointments Made	2,169	6,945
Cancellations	77	432
Missed Appointments	91	340
Recall Patients	1,393	2,878
New Patients	608	3,295
Visual Examination	1,990	6,134
Poor Oral Hygiene	770	2,656
Apparent Caries Free	725	3,856
Visual Dental Decay	609	1,405
Carious 6 Yr. Molar	141	21
Treatment Completed	656	873
Malocclusion/Malalignment	276	926
Premature Loss of Primary Teeth	84	128
Other Abnormalities*	190	536
Prophylaxis	1,978	6,118
Fluoride	1,974	6,099
Polished Fillings		
Parent and/or Child Education	1,968	5,925
Unfinished Cases	27	74
Taking Systemic Fluoride	1,550	5,094
Prescribed Systemic Fluoride	225	501
Refused Systemic Fluoride	91	198
Referred to Private Dentist	257	646
Referred to City Dental Clinic	8	5

* EXAMPLES OF ABNORMALITIES OBSERVED BY THE DENTAL HYGIENISTS WERE:-

ABSCESSSES

CALCULUS

BLACK LINE STAIN

ETC.

DENTAL TREATMENT SERVICES
[Services Rendered by Dentists]

		SCHOOL		PRE-SCHOOL	
		1972	1973	1972	1973
A P P O I N T M E N T S	Welfare	357	284	32	29
	Paying	5,948	4,939	686	711
	Free	867	974	33	81
	Cancellations	443	393	2	11
	Missed	404	478	9	30
	Emergency	163	155	19	18
	Recall	1,504	1,241	95	136
	New	760	561	176	176
E X A M S	Clinical	2,494	2,004	293	339
	No. of X-Rays	4,028	3,907	335	583
	Carious 6 Yr. Molar	1,664	1,206	41	29
P R E - V E N T I V E	Parent and/or Child Education	4,432	4,246	466	665
	Prophylaxis Completed	1,919	1,584	200	279
	Topical Fluoride Completed	1,903	1,579	194	277
	Periodontal Treatment	91	20	7	2
R E S T O - R A T I O N S	Permanent Restorations	3,413	3,240	20	16
	Permanent Surfaces	5,488	5,288	29	19
	Deciduous Restorations	1,357	1,160	513	553
	Deciduous Surfaces	2,580	2,284	876	959
	Polished	2,037	1,620	179	48
	Temporary Fillings	148	140	20	18
E N D O	Pulpotomy Deciduous	210	171	75	113
	Endo Permanent	27	18	-	-
	No. of Endo Appointments	251	181	65	84
C R O W N S	Deciduous	276	129	98	64
	Permanent	52	90	2	-
*T E E T H C O M - P L E T E D	Deciduous	1,633	1,289	611	617
	Permanent	3,465	3,330	22	16
A P P L I - A N C E S	Space Maintainers	161	126	14	11
	Ortho Appliances	115	95	6	6
	Appliance Checks	457	391	4	11
	Impressions	409	281	25	13
S U R G E R Y	Permanent Teeth Extracted	218	200	1	6
	Deciduous Teeth Extracted	756	629	109	75
	Frenectomy, Etc.	20	26	-	3
	Completed Clinic Cases	1,913	1,466	226	271
	Patients Dismissed	34	49	4	11

*TEETH COMPLETED = No. Of Restorations + No. Of Crowns

STATISTICAL SUMMARY OF DISTRICT INSPECTIONS
DETAILED REPORT - 1973

	Number Established As Of December 1973	Number Of Inspections Made
Air Pollution Complaints		201
Animals		512
Apartment Blocks	1,030	497
Auto Courts	45	113
Bakeries	90	963
Barber Shops	207	673
Basement Rooms - Complaints		26
Baths	9	19
Beauty Parlors	287	860
Beer & Wine	61	233
Beverage Rooms	48	331
Billiard Halls	36	176
Boarding Houses	2	
Bottling Works	7	61
Bowling Alleys	12	61
Breweries	3	11
Burning Barrels Removed		11
Butchers	147	980
Cabarets	33	68
Camp Grounds	3	16
Candy Manufacturing	6	88
Canneries	1	3
Caterers	58	274
Chicken Complaints		8
Chicken Slaughter Houses	1	12
Chinchillas	48	98
Clubs	31	204
Cocktail Lounges	99	528
Concessions	11	5,868
Conventions	1	7
Dairy Bars	30	235
Delicatessen	39	338
Departmental Stores	25	131
Drug Stores	93	42
Dry Cleaners	93	240
Dry Cleaners - Coin	20	29
Dye House	1	1
Fabricators	100	3
Factories	56	198
Farmers Market		150
Feed Lots	2	34
Fish Markets	5	63
Fish Wholesale	7	9

	Number Established As Of December 1973	Number Of Inspections Made
Food Packaging	8	83
Foster Homes	17	11
Freezer Plants	5	18
Garages	115	111
Garbage		1,363
Glass Manufacturing	1	3
Groceries	397	2,935
Halls	120	126
Hatcheries	4	2
Hawkers	28	53
Health Parlors	23	81
Heating & Ventilation		51
Home Occupations	47	81
Horse Complaints		11
Horse Meat Packers	1	1
Hospitals	10	50
Hostels	1	29
Hotels	40	118
Housing		2,469
Ice Cream & Soft Drinks	399	737
Incinerators	11	26
Infestations		161
Institutions & Schools	121	214
Kennels (Boarding)	12	4
Kennels (Registered)	7	16
Kindergartens	96	279
Lanes		813
Laundries	32	80
Laundries - Coin	50	277
Locker Plants	6	12
Meat Processing	7	46
Milk Vendors	401	462
Miscellaneous		3,122
Mobile Canteens	31	58
Noxious Gases		30
Nurseries	90	306
Nursing Homes	29	129
Office Buildings	158	237
O.P.C. Beer & Wine		58
O.P.C. Beverage Rooms		183
O.P.C. Cocktail Lounges		185
O.P.C. Drinking Fountains		9
O.P.C. Restaurants		3,052

	Number Established As of December 1973	Number Of Inspections Made
O.P.C. Swimming Pools .....	.....	2
O.P.C. Swimming Pool Decks .....	.....	1
O.P.C. Turtle Water .....	.....	3
O.P.C. Wells .....	.....	228
Pest Control .....	.....	45
Pet Shops	28	118
Pigeon Complaints .....	.....	30
Pigeon Lofts	63	46
Plumbing .....	.....	43
Poultry Complaints .....	.....	8
Poultry Keeper	3	15
Rendering Plants	2	9
Restaurants	605	7,252
Riding Academies	4	1
Rinks - Roller & Ice	13	24
Rodents .....	.....	28
Rooming Houses	14	3
Rug Cleaners	6	.....
Salvage, Metal & Paper	3	41
Second-Hand Clothing Store	2	15
Sewage Disposal	1	44
Septic Tanks	760	15
Service Stations	303	31
Shopping Centres	53	318
Slaughter Houses	4	10
Staff Cafeterias	32	299
Suites, Complaints	45	31
Swimming Pools - Private .....	.....	18
Swimming Pools - Public	21	130
Swimming Pools - Semi-Private	36	125
Theatres	13	31
Toilet Accommodations .....	.....	549
Trailers	7	46
Trailer Courts	16	68
Unightly Premises .....	.....	299
Upholsterers	37	103
Used Car Lots	12	11
Warehouses	131	275
Waste Disposal	3	94
Waste Disposal Grounds	3	11
Water Pollution .....	.....	31
Wells	775	368
Wells - Chemical .....	.....	366

FOODS CONDEMNED

183 pounds meat
 122 pounds vegetables
 15 pounds nuts
 7 pounds fish
 17 dozen cookies & pastries
 4 pounds Chinese food
 (mixture of meat & vegetable)
 15 pounds cereal
 50 pounds cheese
 40 quarts fresh milk
 2 pounds mixed pickles

The statistical summary of district inspections indicates the volume of work accomplished by 13 District Inspectors, one Housing Inspector and one Dairy Inspector, under the supervision of their Chief and Assistant Chief Public Health Inspectors. The number of staff has remained the same, while Calgary's population and area have increased greatly over the past few years. Our ratio of staff to population is much lower than in other large Canadian cities.

While the chance to follow up on problems more closely would be desirable and appreciated, the standards kept up in establishments is, on the whole, good. Punitive measures like prosecution or removal of licenses are little used. Increasing the understanding of operators and owners, staff and householders, while maintaining good relationships, has accomplished a good deal, and much credit is due to the leadership and personal qualities of our Public Health Inspectors over the years.

The past year has seen a new thrust, using group educational methods for instructing food handlers in sanitation. It is hoped that with more staff in the year 1974 and increasing educational opportunities for our staff, the inspectional and environmental side of our Public Health work will get the emphasis that is due. Since this work is carried out with so little fanfare, and, since we take for granted low infant death rates and low death rates from Tuberculosis, we forget that sanitary controls of food, milk, water and housing need to be maintained to maintain these gains.

	<u>1915</u>	<u>1930</u>	<u>1970</u>	<u>1973</u>
Calgary Infant Deaths Per 1,000 Live Births	108	50	17	15
		<u>1933</u>	<u>1970</u>	<u>1973</u>
Calgary Deaths Due To Tuberculosis Per 100,000 Population		30	1	1

Miscellaneous Procedures In The
Health Inspection Division 1973

Complaints	2,279	Notices -- Verbal	9,052
Complaints -- Call Back	1,644	Notices -- Written	504
Planning Applications	453	Written Reports	2,196
Requests for Inspection	726	Letters	396
License Transfers	230	Meetings Attended	400
Lectures Given	35	Houses Condemned	2

LABORATORY REPORT FOR 1973

The City of Calgary Health Department has for a number of years maintained a Laboratory at the City Hall to do bacteriological cultures from swabs of utensils in establishments serving food and beverage, certain tests on milk, bacteriological testing on water from the source of supply in the purification plant and from the distribution system.

In the course of the year 1973, 4,063 water samples were cultured. Results of these bacteriological examinations provide a thorough check on the adequacy of the treatment process and safeguard against any chance of accidental contamination in the distribution system going undetected. A rather large peripheral area within the Calgary City limits remains relatively undeveloped and there are many water wells. 830 samples of well water were tested bacteriologically and 670 of them were also chemically tested.

A check on the handling and bacteriological and other quality of milk as it is provided for sale in the stores or on the milkman's truck is provided. 2,374 samples of milk were thus tested.

The bacteriological testing of swabs from glassware, forks, etc. from restaurants and beverage rooms verifies the adequacy of the dishwashing and handling procedures and provides a readily appreciated tool in the education of food handlers. 4,141 such bacteriological samples were processed in 1973.

<u>Source Of Samples</u>	<u>No. Of Samples</u>	<u>No. Of Tests</u>
Water supplies (City Water, Glenmore Plant, Well Water and Waterworks)	4,063	35,601
Milk Samples From Dairies	1,320	8,603
Milk Samples From Stores	1,054	4,615
Chemical Analyses on Well Water	670	6,433
Swabs From Restaurant and Beverage Room Utensils	4,141	4,141
Miscellaneous Samples From Various Sources (for Chemical, Bacteriological and Microscopic Tests)	<u>45</u>	<u>97</u>
Totals	<u>11,293</u>	<u>59,490</u>

DAIRIES AND MILK CONTROL - 1973

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Totals
Milk Plant Inspections	4	2	4	4	5	5	3	2	3	4	5	4	45
Permits Issued to Milk Plants	3												3
Complaints Received	4	10		2	4	1	4		3	3	2	1	34
Complaints Justified	4	10		2	4	1	4		3	3	2	1	34
Notices Issued	2	2	1	2	7	2	5	2	4	3	5		35
Special Tests	9	8		3	1	18	11	1	5	11	4	7	78
Distributors' Samples Collected - Total	92	75	76	74	101	79	81	86	66	94	82	77	983
Soft Ice Cream Samples	14		57	54	29	18	23	6		8	31	18	258
Retail Store Samples	61	44	68	30	68	73	49	31	46	67	59	53	649
Total Samples Collected	167	119	201	158	198	170	153	123	112	169	172	148	1,890

AVERAGE OFFICIAL PLATE COUNT - 1973

GLASS BOTTLES

CARTONS

PLASTIC

Homogenized < 3,000
 Skim < 3,000
 Partly Skim < 3,000
 Chocolate < 3,000

Homogenized < 3,000
 Homogenized $\frac{1}{2}$ Gal. < 3,000
 Skim < 3,000
 Partly Skim < 3,000
 Partly Skim $\frac{1}{2}$ Gal. < 3,000
 Partly Skim $\frac{3}{4}$ Gal. < 3,000
 Substandard Cream < 3,000
 Whipping Cream < 3,000
 Chocolate < 3,000

Homogenized $\frac{1}{2}$ Gal. < 3,000
 Partly Skim $\frac{1}{2}$ Gal. < 3,000

AVERAGE BUTTER FAT CONTENT - 1973

Homogenized Milk 3.34
 Skim Milk .05

Partly Skim Milk 2.18
 Substandard Cream 10.69

Whipping Cream 35.6

NUTRITIONIST'S ANNUAL REPORT 1973

The Nutritionist provided services in a manner similar to previous years; however, more time was spent as a resource person or consultant than in providing direct service. With the City increasing in population and area, it is felt that time can be more effectively used in this manner than in providing individual service. Even with this emphasis on a more consultive role, a great deal of time was nevertheless spent in answering individual telephone inquiries, distributing nutrition information to individuals and conducting personal interviews with the staff and public. Visits to homes and institutions were not as great in number this year, as the Public Health Nurse, with the support of the Nutritionist, was encouraged to counsel families in food budgeting and nutrition.

From January to June 1973, the Nutritionist made monthly afternoon visits to the City Health Clinics for the purpose of answering staff inquiries, to observe and appreciate the needs of various areas in the City and to speak with mothers referred by the Public Health Nurses. It was decided that this time was not being effectively used by the Nutritionist or Public Health Nurses and this Program was discontinued. However, it was thought that frequent contact with the Public Health Nurse was important and in September 1973 clinic visits were resumed on a monthly basis. These clinics now take the form of a brief presentation and discussion in the morning on current topics, programs and concerns on nutrition. These sessions are proving to be beneficial to both the Public Health Nurse and Nutritionist and are being continued in 1974. Some of the topics discussed in 1973 were:- Vitamin E; Nutrition Canada; Diet For Coronary Heart Disease; Vegetarian Diets. The newsletters, which were distributed to the Public Health Staff on a bi-monthly basis until June 1973, were discontinued when the monthly clinic discussions began. The Nutritionist, however, writes the occasional newsletter for Nutritionally Speaking, the newsletter distributed by the Provincial Nutritionist to all Public Health Staff in the Province.

The Nutritionist acted on several Committees to plan for Programs on Nutrition. Programs of special interest were:- a Nutrition Seminar on Food Additives and Nutrient Labelling, held at the University and attended by a large number of Home Economists, Dietitians, Public Health Staff and the public; a series of eighteen half-hour T.V. Programs on Nutrition, planned in co-operation with CARET-T.V. (these Programs will be shown in the spring and fall of 1974); the planning for a presentation on Nutrition and Obesity for the 1974 Alberta Home Economics Association Convention; the Heartline Program, planned in co-operation with the Department of Agriculture and the Heart Foundation. Heartline is the presentation of phone-recorded messages on diet for the prevention of heart disease.

Nutrition talks were again presented to many professional and community groups. The topic most frequently requested and presented was on basic Nutrition and food budgeting. With food costs increasing so rapidly, many consumers are looking for economical meal ideas which are adequate nutritionally.

Information on meat alternates and complementary proteins has also been requested by consumers. Some of the groups to whom this material was presented were:- Mother's Time Out Groups; the City Social Workers; Mental Health Groups. Prenatal Nutrition was discussed with the girls at the Adult Day Centre on several occasions, and several schools were visited with the importance of diet being discussed with the students.

This year, a Guide To Better Food Budgeting was developed, for use by resource persons working with the public, such as the Public Health Nurses and Social Workers. It contains suggestions for helping families with food budgeting and a table of economical foods and their cost, which is used to determine the average cost for food for meals at home in Calgary. Food costing is presently being done every three months in order to keep these tables up to date.

A slide series telling of the duties of a Public Health Nutritionist was developed to help with presentations on the Nutrition Program. Help was given to the Foot-hills Hospital in developing a tape in Nutrition for Breast Feeding Mothers.

This year, several conferences were held with the Provincial Nutritionist and other City Nutritionists, to discuss programs, develop publications, exchange ideas and nutrition information.

Preliminary results of Nutrition Canada, the National Nutrition Survey, were released in November. A briefing and discussion session was held with Dr. Sabry and Dr. Forbes to discuss these results. The Provincial results are expected to be released in the spring of 1974. When the results are released, it is expected that the Provincial Government will study and evaluate the nutritional status of Albertans and will be recommending new Nutrition Programs.

STATISTICAL SUMMARY

The following Table presents a summary of the work performed by the Nutritionist for the year 1973:-

<u>Phone Calls</u>	-	Staff	-	175
		Other	-	<u>1,056</u>
		Total	.....	1,231

<u>Interviews</u>	-	Staff	-	89
		Other	-	<u>81</u>
		Total	.....	170

Institutional & Home Visits	.....	18
Letters Written	.....	108
Publications Distributed	.....	730
Meetings Attended	.....	23
Committee or Planning Meetings	.....	34

Meetings Addressed:-

Staff	-	29
Other	-	<u>36</u>
Total		65

PATIENTS ATTENDING FAMILY PLANNING CLINIC -- CALGARY LOCAL BOARD OF HEALTH

1973

PATIENTS ATTENDING CLINIC *	TOTAL PATIENT VISITS **	NEW PATIENTS	SESSIONS	I.U.D.	ORAL	PREGNANCY TESTS
JANUARY - MARCH 354	JANUARY - 147 FEBRUARY - 94 MARCH - 145 386	JANUARY - 64 FEBRUARY - 46 MARCH - 84 194	25	72	237	34
APRIL - JUNE 331	APRIL - 144 MAY - 188 JUNE - 191 523	APRIL - 62 MAY - 106 JUNE - 93 261	34	66	215	24
JULY SEPTEMBER - 360	JULY - 198 AUGUST - 217 SEPTEMBER - 188 605	JULY - 102 AUGUST - 108 SEPTEMBER - 85 295	36	52	284	27
OCTOBER DECEMBER - 539	OCTOBER - 219 NOVEMBER - 214 DECEMBER - 174 606	OCTOBER - 103 NOVEMBER - 79 DECEMBER - 78 260	34	40	427	43
1,584	2,120	1,010	129	230	1,163	POSITIVE 53 NEGATIVE 75

* - NO. OF INDIVIDUALS ATTENDING CLINIC IN 1973

** - PATIENT VISITS INCLUDE REPEAT VISITS

F I N A N C I A L S T A T E M E N T

PROGRAM BUDGETING WAS INTRODUCED IN THE CITY IN 1973. A PERCENTAGE OF THE TOTAL NURSING STAFF SALARIES HAS BEEN APPORTIONED TO ALL THE PROGRAMS IN THE CHILD HEALTH AND GENERAL HEALTH SERVICES DIVISIONS.

PROGRAMS:-

1973

1972

ADMINISTRATION & RECORDS & SUPPORT

Salaries	186,756	114,328
Travelling Expenses	253	353
Private Car Allowances	1,988	540
Equipment Maintenance	415	433
Printing, Stationery & Office Supplies	2,154	1,707
Sundries	1,253	1,020
Furniture & Furnishings	162	-
Office Machines	769	-
Purchasing & Stores Handling	4,757	3,918
Central Administration Charges (Incl. Telephones)	37,000	-
Cost of Space (Incl. Civic Admin. & Clinic Buildings)	149,304	-
	<hr/> 384,811	<hr/> 122,299

CHILD HEALTH

School Medical Services

Salaries	281,027	455,807
Travel Expenses	419	664
Private Car Allowances	21,762	19,464
Equipment Maintenance	79	66
Printing, Stationery & Office Supplies	4,320	4,627
Medical Supplies	5,819	7,873
Sundries	2,365	538
Medical Equipment	25	358
Glasses for Underprivileged Children	326	310
Staff Development & Training	918	842
	<hr/> 317,060	<hr/> 490,549

	<u>1973</u>	<u>1972</u>
<u>CHILD HEALTH (Cont'd.)</u>		
<u>Infant & Pre-School Clinics</u>		
Salaries	316,988	453,009
Private Car Allowances	17,534	19,607
Buildings & Property Rental	1,000	1,100
Building & Property Maintenance	2,106	862
Equipment Maintenance	233	230
Utilities	5,542	4,968
Telephones & Telegrams	356	3,928
Janitorial Services	13,390	11,363
Laundry Services	266	1,304
Printing, Stationery & Office Supplies	1,372	3,212
Janitorial & Housekeeping Supplies	974	1,252
Sundries	588	579
Furniture & Furnishings	289	1,194
Grounds Development	1,365	-
	362,003	502,608
<u>GENERAL HEALTH SERVICES</u>		
<u>Communicable Disease Control -- Immunizations</u>		
Salaries	111,969	45,091
Equipment Maintenance	32	5
Printing, Stationery & Office Supplies	22	886
Medical Supplies	419	467
Sundries	144	683
Drugs & Sera	2,313	1,486
Chemicals & Disinfectants	251	195
	115,150	48,813
<u>Communicable Disease Control -- Tuberculosis</u>		
Salaries	27,346	-
Car Allowances	1,019	1,523
Printing, Stationery & Office Supplies	91	-
Milk for Sickly & Undernourished	-	81
	28,456	1,604
<u>Family Planning Clinic</u>		
Salaries	14,728	-
Travel Expense	822	-
Printing, Stationery & Office Supplies	197	-
Medical Supplies	4,511	-
Equipment	434	-
Advertising	535	-
	21,227	13,905

<u>GENERAL HEALTH SERVICES (Cont'd.)</u>	<u>1973</u>	<u>1972</u>
<u>Health Information & Education Resource</u>		
Salaries	148,630	-
Travelling Expenses	465	-
Private Car Allowances	474	-
Printing, Stationery & Office Supplies	1,645	-
Sundries	5	-
Educational Equipment	541	-
Furniture & Furnishings	292	-
Advertising	424	-
	<hr/> 152,476	
<u>Mental Health & Community Services</u>		
Salaries	<hr/> 90,567	
General Health Services Total	407,876	64,322
<u>SCHOOL & PRE-SCHOOL DENTAL SERVICES</u>		
<u>Dental Treatment</u>		
Salaries	140,619	180,767
Travelling Expenses	126	189
Private Car Allowances	534	820
Maintenance of Equipment	773	2,410
Laundry Service	1,912	1,252
Printing, Stationery & Office Supplies	574	2,925
Dental Supplies	16,329	13,690
Sundries	322	557
Advertising	953	-
Dental Equipment	-	3,659
Shaganappi Clinic Equipment	-	365
Staff Development & Training	400	176
	<hr/> 162,542	
<u>Preventive Education</u>		
Salaries - Dental Hygienists	68,119	-
Travelling Expenses	87	-
Private Car Allowances	660	-
Maintenance of Equipment	25	-
Printing, Stationery & Office Supplies	663	-
Dental Supplies	1,555	-
Sundries	338	-
Advertising	2,421	-
Dental Equipment	23,945	-
Furniture & Furnishings	12,800	-
Staff Development & Training	150	-
Fluoride Supplement Program	8,258	-
	<hr/> 119,021	
School & Pre-School Dental Services Total	281,563	206,810

<u>INSPECTION & ANALYTICAL SERVICES</u>	<u>1973</u>	<u>1972</u>
<u>Inspection Services -- Public Health Inspectors</u>		
Salaries	229,023	242,995
Travelling Expenses	399	381
Private Car Allowances	18,100	17,839
Passenger Car Rentals	1,875	2,031
Employees' Transit Tickets & Passes	229	228
Milk Inspection	556	673
Fly & Insect Control (Parks Department 1973)	-	53,727
Pigeon Control Program	-	1,300
Printing, Stationery & Office Supplies	1,226	865
Sundries	195	266
Furniture & Furnishings	310	-
Staff Development & Training	73	495
	<hr/> 251,986	<hr/> 320,800
<u>Analytical Services -- Laboratory</u>		
Salaries	33,443	-
Travelling Expenses	119	-
Equipment Maintenance	186	375
Laundry Service	30	77
Laboratory Supplies	3,198	3,000
Laboratory Equipment	1,352	156
	<hr/> 38,328	<hr/> 3,608
Total Inspection & Analytical Services	290,314	324,408

SUMMARY

Administration & Records & Support	384,811	122,299
School Medical Services	317,060	490,549
Infant & Pre-School Clinics	362,003	502,608
Victorian Order of Nurses --		
Pre- & Post-Natal Visits	9,716	12,216
General Health Services	407,876	49,876
School & Pre-School Dental Services	281,563	206,810
Inspection & Analytical Services	290,314	324,408
	<hr/> \$2,053,343	<hr/> \$1,708,766
Miscellaneous Revenue	4,274	3,255
Dental Services - Charges Recovered	16,728	18,113
Provincial Government -- Public Health		
Service Grants	1,966,290	484,165
Population	424,787	412,777
Per Capita Expenditure For Public Health		
Services in Calgary Health District	4.83	4.09

